

IN THE CLAIMS

Please cancel Claim 2 without prejudice to or disclaimer of the subject matter recited therein.

Please amend Claims 1, 3-7 and 9 as follows.

1. (Currently Amended) An image forming apparatus ~~having operable in~~ a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and is set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, the apparatus comprising:

~~a storing means for storing~~ device configured to store information on an amount of usage of the image bearing ~~member; member; and~~

an image processing controller configured to discriminate a size of a concentrated pixel area in image information when the second image formation mode is set; and

~~control means for changing a controller configured to set~~ the second image forming condition in the second image formation mode depending on a discrimination result of the image processing controller and the information stored in said storing means device.

2. (Cancelled)

3. (Currently Amended) An apparatus according to Claim [[2]] 1, wherein said discrimination means is means for discriminating a size of a concentrated pixel area and controller changes the second image forming condition depending on whether the concentrated pixel area is larger or smaller than a predetermined size.

4. (Currently Amended) An apparatus according to Claim 1, wherein the information on [[an]] the amount of usage of the image bearing member is predetermined threshold information, and said ~~control means~~ controller changes the second image forming condition when [[an]] the amount of usage of the image bearing member reaches a predetermined threshold represented by the predetermined threshold information.

5. (Currently Amended) An apparatus according to Claim 1, wherein said image forming apparatus further comprises an exposure ~~means for exposing~~ device configured to expose the image bearing member under an exposure operation condition on the basis of image information.

6. (Currently Amended) An apparatus according to Claim 5, wherein the exposure operation condition is an exposure time or luminous energy of said exposure means device.

7. (Currently Amended) An apparatus according to Claim 1, wherein said apparatus includes a charging member for configured and positioned to electrically charging charge the image bearing member and a developing member for supplying

configured and positioned to supply the developer to the image bearing member, and the image forming condition comprises a charging condition of the charging member and a developing condition of the developing member.

8. (Original) An apparatus according to Claim 7, wherein the charging condition is a bias voltage applied to the charging member and the developing condition is a bias voltage applied to the developing member.

9. (Currently Amended) An apparatus according to Claim 1, wherein the image bearing member and said storing means device are integrally supported to form a cartridge which is detachably mountable to the image forming apparatus.

10. (Original) An apparatus according to Claim 9, wherein the cartridge further comprises the charging member or the developing member.

11. (Withdrawn) A cartridge for being detachably mountable to an image forming apparatus having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and is set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said cartridge comprising:

the image bearing member, and

storing means for storing information on the cartridge, said storing means having a first storing area for storing information on an amount of usage of the image bearing member for changing the second image forming condition.

12. (Withdrawn) A cartridge according to Claim 11, wherein said storing means further has a second storing area for storing the amount of usage of the image bearing member.

13. (Withdrawn) A cartridge according to Claim 11, wherein the information on the amount of usage of the image bearing member is predetermined threshold information.

14. (Withdrawn) A cartridge according to Claim 11, wherein said image forming apparatus further comprises exposure means for exposing the image bearing member and the second image forming condition is an exposure operation condition of said exposure means.

15. (Withdrawn) A cartridge according to Claim 14, wherein the exposure operation condition is an exposure time or luminous energy of said exposure means.

16. (Withdrawn) An apparatus according to Claim 11, wherein said apparatus includes a charging member for electrically charging the image bearing member and a developing member for supplying the developer to the image bearing member, and the

image forming condition comprises a charging condition of the charging member and a developing condition of the developing member.

17. (Withdrawn) An apparatus according to Claim 16, wherein the charging condition is a bias voltage applied to the charging member and the developing condition is a bias voltage applied to the developing member.

18. (Withdrawn) A storing device to be mounted to a cartridge for being detachably mountable to an image forming apparatus including an image bearing member and having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and is set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said storing device having:

a first storing area for storing information on an amount of usage of the image bearing member for changing the second image forming condition.

19. (Withdrawn) A device according to Claim 19, wherein said storing device further has a second storing area for storing an amount of usage of the image bearing member.

20. (Withdrawn) A device according to Claim 18, wherein the information on the amount of usage of the image bearing member is predetermined threshold information.

21. (Withdrawn) A device according to Claim 18, wherein said image forming apparatus further comprises an exposure device for exposing the image bearing member and the information with respect to the second image forming condition is information on an exposure operation condition of said exposure device.

22. (Withdrawn) A device according to Claim 21, wherein the information on the exposure operation condition is an exposure time or luminous energy of said exposure device.

23. (Withdrawn) An apparatus according to Claim 18, wherein said apparatus includes a charging member for electrically charging the image bearing member and a developing member for supplying the developer to the image bearing member, and the image forming condition comprises a charging condition of the charging member and a developing condition of the developing member.

24. (Withdrawn) An apparatus according to Claim 23, wherein the charging condition is a bias voltage applied to the charging member and the developing condition is a bias voltage applied to the developing member.

25. (Withdrawn) A storing device to be mounted to a cartridge for being detachably mountable to an image forming apparatus including an image bearing member and having a first image formation mode for forming an image on an image bearing member by using developer under a first predetermined image forming condition and a second image formation mode for forming an image on an image bearing member by using developer under a second image forming condition which is different from the first predetermined image forming condition and are set so that an amount of consumption of developer with respect to an identical image in the second image formation mode is smaller than that in the first image formation mode, said storing device having:

a first storing area for storing information on an amount of usage of the image bearing member for changing the second image forming condition,

wherein the information for changing the second image forming condition is information which is used in the second image formation mode but is not used in the first image formation mode.

26. (Withdrawn) A device according to Claim 25, wherein said storing device further has a second storing area for storing the amount of usage of the image bearing member.

27. (Withdrawn) A device according to Claim 25, wherein the information on an amount of usage of the image bearing member is predetermined threshold information.

28. (Withdrawn) A device according to Claim 26, wherein said image forming apparatus further comprises an exposure device for exposing the image bearing member and the information with respect to the second image forming condition is information on an exposure operation condition of said exposure device.

29. (Withdrawn) A device according to Claim 28, wherein the information on the exposure operation condition is an exposure time or luminous energy of said exposure device.

30. (Withdrawn) An apparatus according to Claim 25, wherein said apparatus includes a charging member for electrically charging the image bearing member and a developing member for supplying the developer to the image bearing member, and the image forming condition comprises a charging condition of the charging member and a developing condition of the developing member.

31. (Withdrawn) An apparatus according to Claim 30, wherein the charging condition is a bias voltage applied to the charging member and the developing condition is a bias voltage applied to the developing member.